

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P633071

Luminaire Tested: GWS-SA2E-722-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10896 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

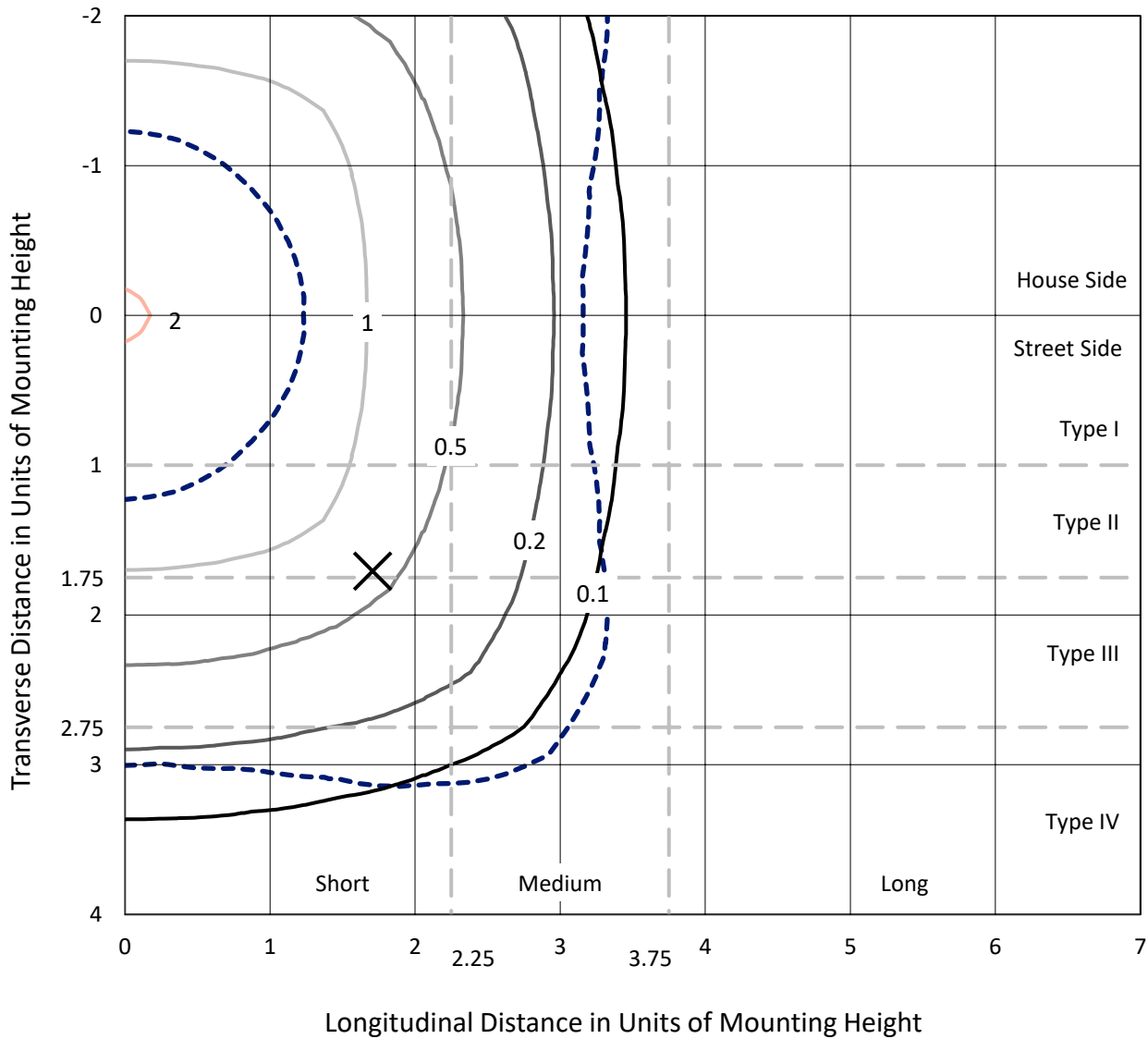
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

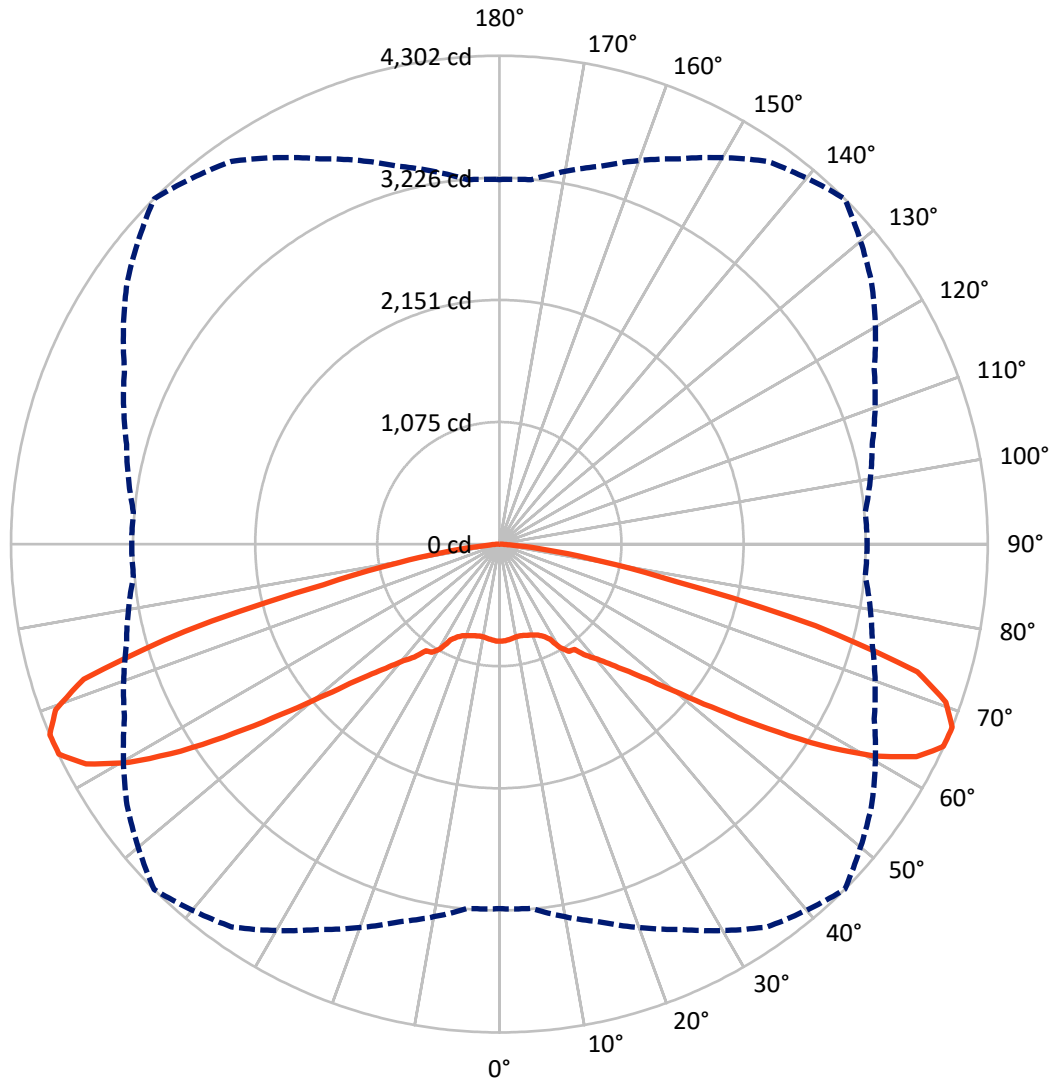
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5448.0	0.0	5448.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5448.0	0.0	5448.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10896.0	0.0	10896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	0.7
10°-20°	238.1	2.2
20°-30°	427.1	3.9
30°-40°	721.5	6.6
40°-50°	1267.6	11.6
50°-60°	2445.3	22.4
60°-70°	3547.8	32.6
70°-80°	2029.9	18.6
80°-90°	138.5	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10896.0	100.0
0°-180°	10896.0	100.0

Coefficient of Utilization



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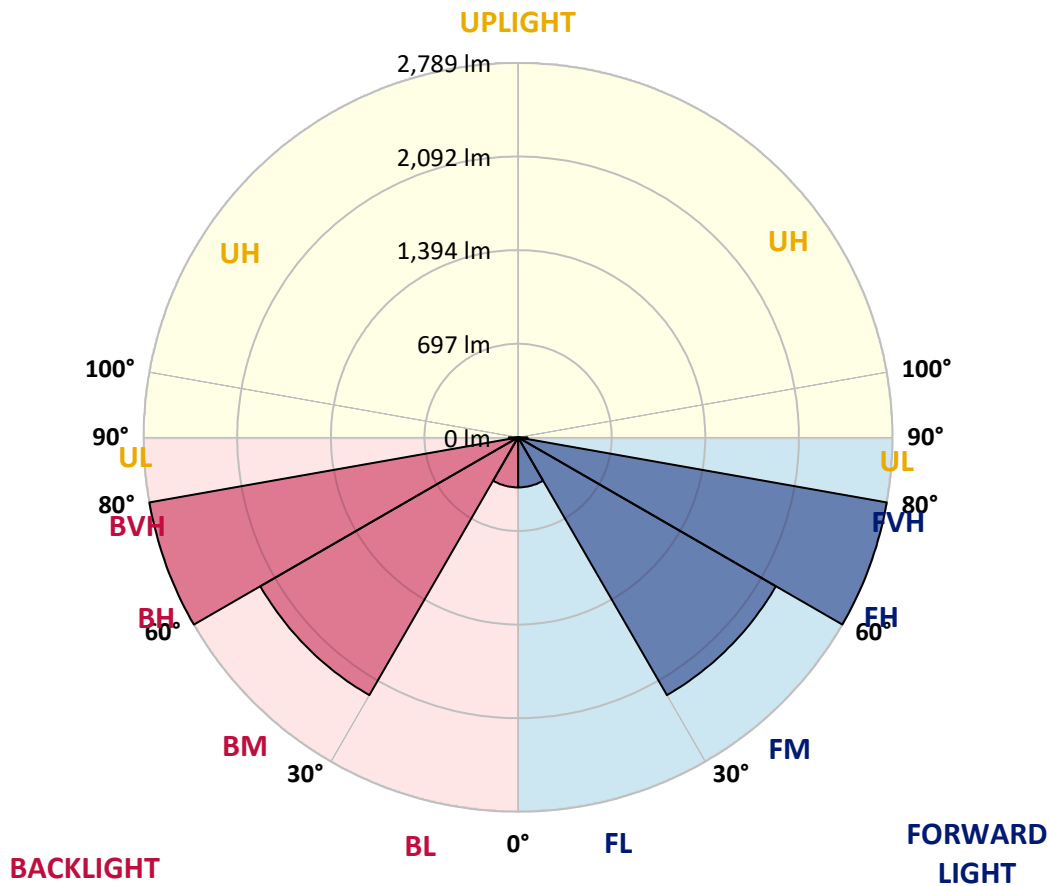
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.7	3.4			
FM (30°-60°)	2217.2	20.3			
FH (60°-80°)	2788.8	25.6			G2/5000
FVH (80°-90°)	69.3	0.6			G1/100
BL (0°-30°)	372.7	3.4	B1/500		
BM (30°-60°)	2217.2	20.3	B2/2500		
BH (60°-80°)	2788.8	25.6	B4/5000		G2/5000
BVH (80°-90°)	69.3	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	854.5	854.5	854.5	854.5	854.5	854.5	854.5	854.5	854.5	854.5	854.5
2.5°	847.5	848.3	849.8	849.8	851.4	853.7	854.5	852.9	853.7	849.8	853.7
5°	845.2	846.0	846.8	845.2	845.2	846.0	846.0	844.5	845.2	841.4	845.2
7.5°	839.8	840.6	840.6	838.3	836.0	837.5	837.5	836.0	836.7	832.9	837.5
10°	835.2	835.2	834.4	829.8	827.5	829.8	830.6	831.4	834.4	831.4	836.7
12.5°	838.3	838.3	836.0	829.8	826.0	827.5	829.0	830.6	836.0	835.2	841.4
15°	846.8	847.5	841.4	834.4	832.1	834.4	832.9	832.1	839.1	841.4	848.3
17.5°	853.7	853.7	846.0	839.1	839.8	843.7	840.6	836.7	843.7	848.3	856.0
20°	859.9	859.1	850.6	846.0	849.1	854.5	852.2	846.8	851.4	856.8	863.7
22.5°	875.3	874.5	865.3	862.9	866.0	871.4	869.1	864.5	869.9	877.6	886.1
25°	919.2	917.6	903.8	896.1	894.5	898.4	897.6	896.1	904.6	913.8	923.8
27.5°	977.7	977.0	967.0	959.3	949.2	946.2	948.5	955.4	967.7	974.7	983.1
30°	1007.0	1007.0	1005.5	1017.8	1039.4	1060.2	1044.0	1017.8	1007.0	1003.9	1012.4
32.5°	1045.5	1049.4	1044.0	1057.9	1094.1	1124.9	1094.1	1051.7	1044.0	1044.0	1053.3
35°	1134.2	1135.7	1127.2	1124.9	1136.5	1140.3	1125.7	1110.3	1118.7	1120.3	1131.8
37.5°	1205.0	1205.0	1201.2	1207.4	1231.2	1245.9	1222.0	1194.3	1196.6	1198.1	1212.7
40°	1314.4	1317.5	1308.3	1307.5	1316.8	1329.9	1304.4	1286.7	1299.0	1302.9	1325.2
42.5°	1450.8	1450.8	1437.0	1433.1	1439.3	1453.1	1429.3	1417.7	1433.9	1437.0	1450.1
45°	1613.4	1617.2	1598.8	1591.8	1594.9	1599.5	1582.6	1577.2	1592.6	1599.5	1622.6
47.5°	1811.4	1815.3	1799.1	1798.3	1795.2	1798.3	1782.1	1779.1	1791.4	1786.0	1810.6
50°	2055.7	2062.6	2048.7	2068.0	2065.7	2074.9	2052.6	2036.4	2036.4	2021.8	2035.6
52.5°	2329.2	2343.0	2350.0	2382.3	2407.0	2430.1	2393.1	2367.7	2330.7	2300.7	2338.4
55°	2627.4	2623.5	2667.4	2738.3	2810.7	2865.4	2793.0	2712.9	2652.8	2590.4	2605.0
57.5°	2888.6	2901.6	2959.4	3088.9	3232.2	3347.8	3217.5	3063.5	2927.1	2837.7	2850.0
60°	3105.8	3116.6	3193.7	3380.1	3630.5	3790.0	3583.5	3329.3	3131.3	3008.0	3021.1
62.5°	3306.2	3316.2	3394.0	3599.7	3915.6	4123.6	3857.1	3509.6	3289.2	3165.2	3172.9
65°	3421.7	3427.9	3534.2	3750.7	4083.6	4298.5	3998.1	3639.8	3423.3	3296.9	3301.5
67.5°	3211.4	3221.4	3445.6	3744.6	4115.9	4301.6	4004.2	3643.6	3400.2	3235.3	3239.1
70°	2533.4	2524.9	2792.2	3306.2	3930.2	4172.2	3826.2	3370.1	2994.1	2763.7	2759.9
72.5°	1931.6	1933.9	2082.6	2434.7	3204.5	3850.1	3376.3	2713.7	2308.4	2133.5	2126.5
75°	1400.7	1422.3	1543.3	1801.4	2241.3	2877.8	2541.8	2011.0	1739.8	1635.0	1619.6
77.5°	631.0	658.8	827.5	1131.1	1498.6	1590.3	1596.4	1365.3	1030.1	856.0	829.0
80°	184.1	197.2	253.5	433.8	698.1	902.2	716.6	602.5	375.2	294.3	280.5
82.5°	77.8	88.6	108.6	120.2	202.6	418.4	260.4	165.7	154.1	124.8	114.0
85°	33.1	35.4	45.5	48.5	65.5	89.4	82.4	74.7	71.7	55.5	50.9
87.5°	13.9	13.9	13.9	12.3	11.6	12.3	17.0	21.6	28.5	22.3	20.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)